

AAGGCTGTCCACCCACCAATCTGCACCCGCTGCAGCGCCCGCGCCCTGTCCCGCGCCGTAGTCGTCATTGTGTAGCCG
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 TGCTCTAATGAGCTGCCAGTCCCCATGTTGGCCCGCTACATTGCGATAAAACCTCAGTCTCTGGTTTGATAACGGGAG
 CATCTGCATGAGGATGGAGATCTTGGGCTGCCCACTGCCGGATCCTAATAACTATTATCACCGACGTAATGAGATGA
 CCACCACGGATGACCTGGATTTTAAGCACCACAACATATAAGGAAATGCGCCAGTTGATGAAGGTTGTCAATGAAATG
 TGCCCCAATATTACCAGGATTACAACATTGGCAAAAGCCACCAGGGCCTGAAATTGTATGCGGTAGAGATCTCTGA
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 GAGAATCTGCTGCTGCTGCTGCTACCTTCTTCCAGGAATACTCGGCGAGAACGCACGATCGTCCGCTTGGTG
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MARLGTACPALALALALVAVALAGVRAQGAAFEEDYYSQELWRRGRYYGHPEPEPEPELFSPSMHEDLR
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TKFTGVITQGRNSLWLSDWVTSYKVMVSNDSHTWVTVKNGSGDMI FEGNSEKEI PVLNELPVPMPVARYIR
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ETRIHILPSLNPDGYEKAYEGGSELGGWSLGRWTHDGIDINNNFPDLNSLLWEAEDQQNAPRKVPNHYIA
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YSYASTHRLMTDARRRVCHTEDFQKEEGTVNGASWHTVAGSLNDFSYLHTNCFELSIYVGCDKYPHESEL
PEEWENNRESLIVFMEQVHRGIKGIVRDLQGGKGISNAVISVEGVNHDIRTASDGDYWRLLNPFGEYVVTAK
AEGFITSTKNCMVGYDMGATRCDFTLTKTNLARIREIMETFGKQPVSLPSRRLKLRGRKRRQRG (SEQ
ID: NO: 2)

FIGURE 1

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underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

[AGGCTGTCCCACCCACCATCTGCACCCGCTGCAGCGCCCGCGCCCTGTCCCAGCCGT
 AGTCGTCA'TTTGTAGCCCGCTGCCGCTCCCGGGGACCCGATCCTACCC'TGGGTGCGGGG
 CAGAGCGGGCATGGCCCGTCTGGGGACCGCTGCCCTGCGCTGGCGCTGGCCCTGGCACT
 TGTGGCGGTGGCCCTGGCTGGAGTCAGAGCCAGGGCGCAGCCTTCGAGGAGCCTGACTA
 TTACAGCCAGGAGCTCTGGCGGCGCGGGCGCTATTATGGGCATCCGGAGCCTGAGCCGGA
 GCCGGAGCTCTTCTCGCCTTCAATGCA] TGAAGACCTTAGGGTGGAGGAGCAGGAACAGC
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CCAA [GAGGGAGAAGTTAGTTGCAGAGACGCC'TCCACCAG] GTAAAAATAGCAACAGAAA
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 CAACATCCAGGCAGGCAIT'AAATGAAAATGACTTTTACGATGGGGCTTGGTGTGCTGGTAG
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 CATTACCCAAGGAAGGAAC'TCTCTTGGCTGAGTGACTGGGTGACATCCTATAAAGTCAT
 GGTGAGCAATGACAGCCACACATGGGTACTGTGAAGAATGGATCTGGCGACATGATATT
 TGAAGGAAACAGTGAGAAGGAGATTCTGTGCTCAATGAGCTGCCAGTCCCCATGGTGGC
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 GGAGATCTTGGGC'TGCCACTGCCGGATCCTAATAACTATTATCACCGACGTAATGAGAT
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 GTCTGAGAATGCCACAGTGGCCACAGAGACCAGAGCCGTCATCGCTGGATGGAGAAGAT
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 CCGCTGGCTGGCGTATTCCTACGCC'TCCACTCACCGCCTCATGACAGATGCCAGGAGGCG
 AGTGTGCCACACGGAAGATTTTTCAGAAGGAGGAGGGCACCGTCAATGGGGCTTCTTGGCA
 CACAGTGGCTGGAAGTCTAAACGATTTTACAGCTACCTCCATACAAACTGCTTTGAGCTGTC
 CATCTACGTGGGCTGTGATAAAATACCCACACGAGAGCGAGCTGCCGGAGGAATGGGAGAA
 TAACCGGGAGTCTCTGAT'TGTGTTTTCATGGAGCAGGTTCATCGAGGCATCAAAGGCATAGT
 GAGAGATTTTACAAGGGAAAGGATTTTCAAATGCTGTGTCATCTCTGTGGAAGGTGTTAACCA
 TGACATCCGGACAGCCAGCGATGGGGATTACTGGCGTCTACTGAACCC'TGGCGAATATGT
 GGTACAGCCAAGGCAGGAGGCTTTATCACTTCCACCAAGAACTGCATGGTTGGCTATGA
 TATGGGAGCTACTCGGTGTGACTTACCC'TCACAAAGACCAACCTGGCTAGGATAAGAGA
 AATTATGGAGACATTTGGGAAGCAGCCTGTGAGCCTACCC'TCAGGCGCCTGAAGCTGCG
 GGGACGGAAAAGGCGGCAGCGTGGGTGACCC'TGTCGGACACTTGAGACATACCCAGACC
 GTGCAATAAAAAATCCACTCCAGTAGTAAAAAAA (SEQ ID NO:1)

FIGURE 2A

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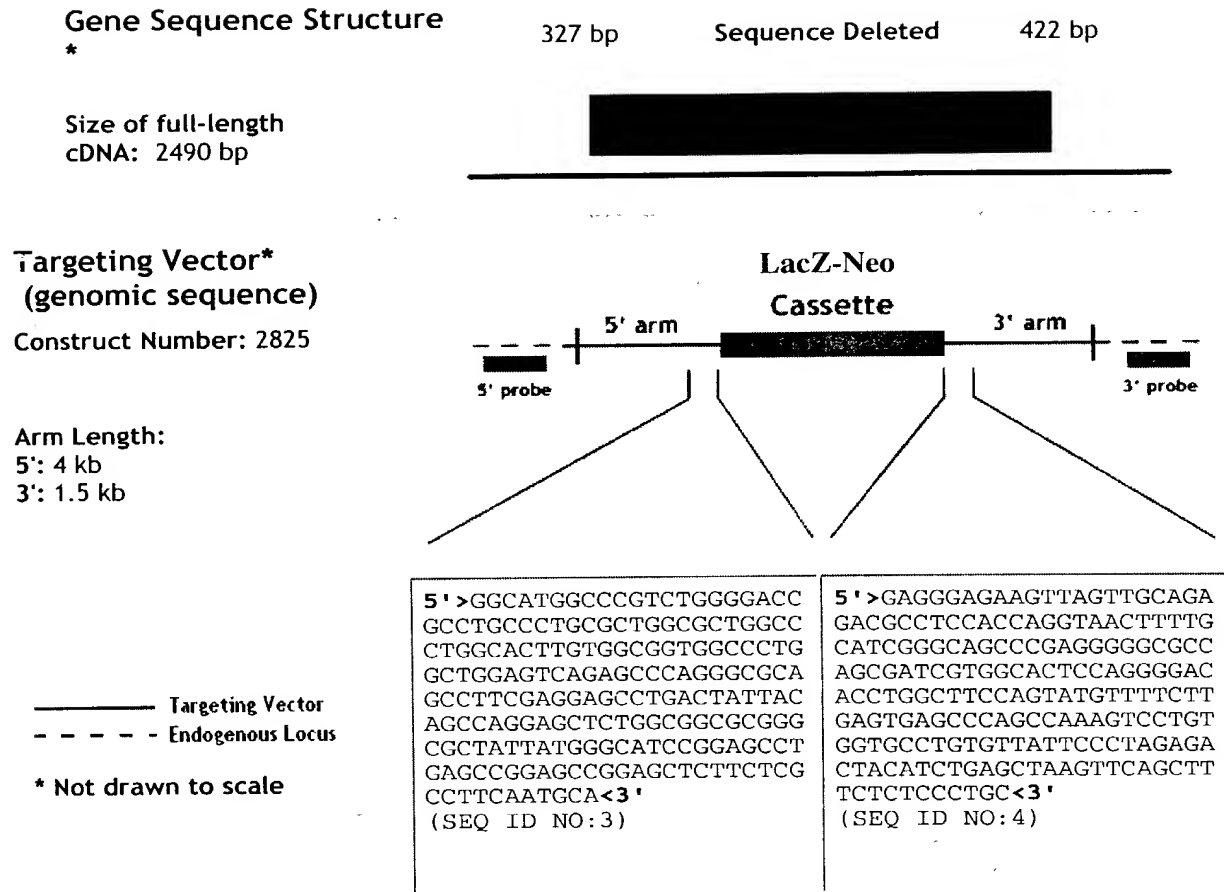


FIGURE 2B

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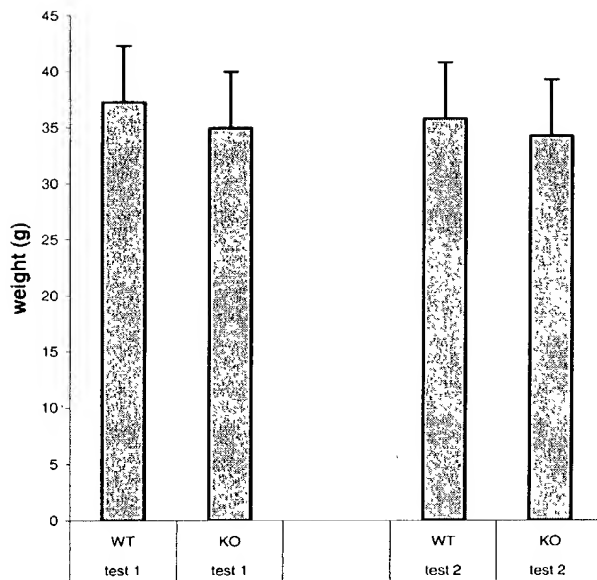


FIGURE 3

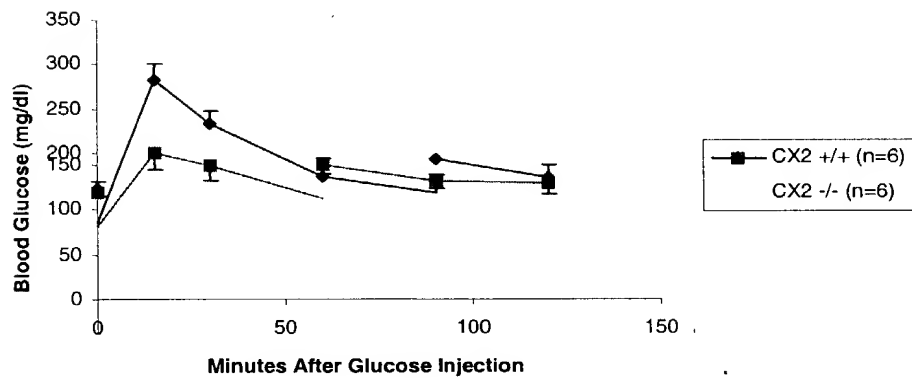


FIGURE 4